

## RSR DIGITAL MULTIMETER

### Model 86B Autoranging with USB

- Large 3 3/4 digits with USB interface
- Measures DC/AC Volts, Resistance, DC/AC Current, Capacitance, Frequency, Temperature (Probes Included), Continuity Beeper, Diode Checker.
- FEATURES: Data hold, Autopower off, Bar Graph Display
- DC Voltage: 400mv — 1000V (0.5%)
- AC Voltage: 400mv — 750V (0.8%)
- DC Current: 400  $\mu$ A — 10 A (1.0%)
- AC Current: 400  $\mu$ A — 10 A (1.5%)
- Resistance: 400  $\Omega$  — 40 M $\Omega$  (0.8%)
- Capacitance: 4nF — 100 $\mu$ F (0.5%)
- Frequency: 4Hz — 30 MHz (1.0%)
- Temperature: -20 — 1000 C (1.0%)
- Size and weight: 7.5" x 3.7" x 1.9"; 1lb



Part No.	Description	Price
01V86B	Digital Multimeter Autoranging with USB & Downloadable Software	\$44.95

## RSR SMD TESTER FOR RESISTORS & CAPACITORS

### Model MS8910

This digital tweezer/tester makes it easy to test tiny surface mount resistors and capacitors. Precise tips made of non-magnetic steel are able to pick and test even the smallest SMD components. It can also test regular components where leads may be too short to insert into test terminals.

- Auto power off
- Low battery indicator
- Built-in high-precision R/C probe
- Ideal for Surface Mount Devices
- Weight: 5.0 oz.



Part No.	Description	Price
01DMMS8910	Digital Tweezer Tester for resistance and capacitance	\$29.95

## EXTECH WIRELESS MULTIMETER

### MODEL EX540

- Wireless data-streaming up to 30 feet
- True RMS; 40,000 count
- Frequency and temperature measurements
- Waterproof IP67 rating
- 4-20mA loop test
- DC/AC Voltage: .01mV to 1000V
- DC/AC Current: .01 A to 10A
- Capacitance Range: 40nF to 40mF
- Frequency Range: .01Hz-100MHz
- Temperature Range: -58 F to 1382 F



Part No. 01EX540 • Price: \$299.99

## RSR DIGITAL MULTIMETER+ CAPACITANCE + INDUCTANCE METER

### MODEL DM1007

This meter offers all the features of an LCR meter and digital multimeter. Features include capacitance, inductance, hfe, audible continuity tester and extra large LCD display. Comes with carrying case, battery and spare fuse.

#### SPECIFICATIONS:

AC/DC Current – To 10 Amp  
Resistance – To 2,000 M Ohm  
Capacitance – To 200 F  
Inductance - 2mH, 20mH, 200mH  
2H, 20H 5% accuracy @ 200Hz.  
Frequency – 15 MHz



Part No.	Description	Price
01DM1007	DM1007	\$49.95
05CLS77	Capacitor Adaptor Probes	4.90
05TLS77	Transistor Adaptor Probes	4.90
01DM926-H	Holster	5.25
01CC-LARGE	Carrying Zipper Case	2.95

## FLUKE TRUE-RMS INDUSTRIAL LOGGING MULTIMETER WITH TREND CAPTURE

### MODEL 289

- Large 50,000 count, 1/4 VGA display with white backlight for fast, accurate viewing of measurements
- Logging Function with TrendCapture plots measurements as a single line to help detect anomalies over time, storing up to 10,000 readings. Using on-board TrendCapture, you can graphically view logged readings on the meter
- "i" button Unsure about a measurement function? Select it, then press the "i" button for instant access to on-board help screens
- Log multiple sessions or log data continuously for over 200 hours
- Soft keys and scroll buttons for easy navigation control, access to secondary functions. Create custom displays too
- Saved measurements for naming and recalling measurements made in the field
- Field upgradeable and expandable meter lets you stay current as new capabilities are added
- Events and trends recording Helpful for troubleshooting intermittent problems or profiling loads



#### Fluke-289/IMSK Industrial Multimeter Service Kit includes:

- Fluke-289V Advanced data logging Multimeter
- Fluke-i400 AC 400A Current Clamp
  - Measure up to 400 A AC
  - 1mA/Amp output
  - CAT IV 600 V / CAT III 1000 V safety rating
- TL71 Silicone Test Leads
- AC72 Alligator Clips

Part No.	Description	Price
01DMFL289	Model 289 Meter	\$590.00
01DMFL289IMSK	Meter With Service Kit	639.00

## DIGITAL MULTIMETERS / TESTERS

### AMPROBE® DIGITAL MULTIMETERS

#### MODELS 5XP, 15XP, 35XP

XP series are compact, full featured with two unique extras: non contact AC line voltage detection, magnetic grip holster.

- 5 ranges to 1000V dc, 750V ac
- AC/DC Current ranges to 200mA (**5XP**) to 2A (**15XP**, **35XP**)
- Counts 2000 (**5XP**, **15XP**) and 4000 (**35XP**)
- Continuity beeper and overload protection
- Logic Test 20MHz (**15XP only**)



35XP

#### Model 35XP Features Only

- Capacitance 4,000 F, auto power off
- Frequency 1MHz, Temperature 1000 C

Part No.	Description	Price
01AMP5XP-A	5XP Model	\$52.95
01DM15XP	15XP Model	65.00
01DM35XP	35XP Model	94.00

### AMPROBE® PROFESSIONAL FIELD SERVICE DMM

#### MODEL 33XR

Offers measurement functions needed for maintenance, repair and installation of electrical, HVAC and electro-mechanical equipment. Includes Magne-Grip Holster with magnetic hanging strap freeing both hands. Includes heavy duty test leads with threaded alligator clips, K thermocouple.



- Manual ranging, 4000 count DMM
- Capacitance to 4,000 F
- Frequency to 40 MHz
- Temperature: 1832 F / 1000 C
- DC voltage to 1,000V
- AC voltage to 750V
- AC/DC current to 10A
- mV AD/DC, auto-off, analog bar graph display, min/max, relative mode, data and peak hold, low battery indicator.

Part No.	Description	Price
01DM33XR	Manual Ranging Field Service DMM	\$92.00

### AMPROBE® COMPACT DMM

#### MODEL DM7, AM-510

- Autoranging (**DM9**, **AM-510**)
- Battery Test (**DM7**, **AM-510**);
- DC/AC Voltage: 600V (**DM7**, **AM-510**)
- Resistance: 2M (**DM7**); 40M (**AM-510**)
- Counts: 2,000 (**DM7**); 4,000 (**AM-510**)



AM-510

DM7

Part No.	Description	Price
01DM7	Model DM7	\$46.00
01AM510	Model AM-510	37.65

### AMPROBE® TRUE RMS DMM

#### WITH COMPONENT AND LOGIC TEST

#### MODELS 34XR, 37XR, 38XR



34XR



37XR



38XR

- DCV: 1000V — .5% (**34XR**); .1% (**37XR**); .25% (**38XR**)
- ACV: 750V rms
- DC/AC Current: 10A/10A rms
- Resistance: 40MΩ
- Auto power off, analog bar graph
- Capacitance: 4,000 f (**34XR**); 400 f (**37XR**, **38XR**)
- Frequency: 1MHz (**34XR**); 10MHz (**37X**, **38XR**)
- Temperature: 1000 C (**34XR**); 1300 C (**38XR**)
- Inductance: 40H (**37XR**)
- Counts: 4,000 (**34XR**); 10,000 (**37XR**, **38XR**)
- RS232: 38XR only (software optional)
- 3 year warranty

Part No.	Description	Price
01DM34XR	34XR – True RMS DMM	\$105.00
01DM37XR	37XR – True RMS DMM	\$135.00
01DM38XR	38XR – True RMS DMM	165.00
0138-SW	RS232 Cable & Software	33.95

### AMPROBE® BASIC DMM

#### WITH NON-CONTACT VOLTAGE TESTER

#### MODEL 30XR

This has all basic functions for automotive, residential and education applications

- 9 functions, 30 ranges
- 600V DC, 10A range
- Continuity and diode check
- Battery tester



Part No. 01DM30XR • Price: \$72.95

### AMPROBE® PEN-STYLE DMM

#### MODEL DM73B

Convenient one-hand operation for tight spot applications. Probe Hold™ function, automatically captures and holds reading for reference later. Plug in test lead and battery included.

- 3 3/4 digit, 4200 count
- Autoranging, Probe Hold™
- Continuity test with beeper
- Simple one-handed operation
- AC/DC to 600V. Resistance to 34M
- Auto off
- Optional Accessories – Alligator clip lead, case



Part No.	Description	Price
01DM73	Pen-Style DMM	\$58.00
01VC11	Soft Case For DM73	4.90
01TL73	Insulated Alligator Lead For DM73	8.90

## BK PRECISION TOOL KIT DMM 0.5%

**MODEL 2703C**

**MODEL 2704C – W/CAP**

**MODEL 2704CKIT**

**MODEL 2706B – W/TEMP**

**MODEL 2707B – MULTI FUNCTION**

Excellent meters for most jobs that require flexibility, accuracy and speed. Value packed features make these meters a must in every "Tool Kit®".



- 2000 count
- 0.5% DCV accuracy
- DC voltage to 1000V
- AC voltage to 750V
- DC current to 10A
- AC current to 10A (**Models 2704C, 2706B, 2707B**)
- Resistance to 20M ohm
- Capacitance to 20uF (**Models 2704C, 2706B, 2707B**)
- Frequency counter (**Models 2706B, 2707B**)
- Transistor test (**Models 2704C, 2706B, 2707B**)
- Temperature (**Model 2706B**)
- Continuity
- Diode test
- Logic Probe (**Model 2707B**)
- Protective rubber boot included

### 2704BKIT

- Model 2407B meter, **plus:**
- 1.5 meter long silicone 4mm sheathed straight to right angle plug lead set
- Alligator clip set – red and black

Part No.	Description	Price
01BK2703	Model 2703C	\$46.00
01BK2704	Model 2704C – W/Cap	66.00
01BK2704CKIT	Model 2704C W/Extra Accessories	89.00
01BK2706	Model 2706B – W/Temp	86.00
01BK2707	Model 2707B – Multi function	95.00

## BK PRECISION DIGITAL MULTIMETER SURVIVOR® SERIES

**MODEL 2860A**

- Heavy duty 1500 VDC rating
- Rugged construction
- Includes rubber boot
- Withstands 5-foot drop
- Extra large, high contrast LCD display
- Gasket sealed against dirt and contaminants
- Water resistant
- High energy fused on all current ranges
- Auto power off saves batteries
- Built in probe holders
- Non-slip grip
- Extensive overload protection
- 0.5% DCV accuracy
- Manual ranging
- 3 1/2 digit, 2000 count
- Large 0.8" LCD display



**Part No. 01DM2860A • Price: \$105.00**

## RSR

## DIGITAL MULTIMETER WITH HUMIDITY, TEMPERATURE, LUX, SOUND SENSORS / AUTORANGING

### FIVE-IN-ONE W/MULTI-SENSOR INPUT

#### Key Specifications/ Special Features

- **LED Warning when incorrect** banana jacks are used relative to function switch setting (volt, amp, resistance)
- Data hold and LCD backlit
- Auto/manual ranging, auto power off
- Safety as per IEC1010-1 Cat. III 600V and Cat. 1000V

#### Technical Specifications:

- DCV: 200m/2/20/200/1000V, 0.7%
- ACV: 200m/2/20/200/750V, 0.8%
- DCA: 200 /2m/20m/200m/2/10A, 1.2%
- ACA: 200 /2m/20m/200m/2/10A, 1.5%
- Capacitance
- Ohm 200/2K/20K/200K/2M/20M, 1.0%
- Temperature: -20 - 1000 C (0-1,800 F) 3.0%
- RH: 20-95%, 5.0%
- Lux: 2,000/20,000 Lux, 5.0%
- Sound: dB: 40 - 100dB, 5.0dB
- Dimensions and Weight: 195 x 92 x 55mm, 400g
- Battery: 1.5 x 3 AAA size (*Batteries not included*)



**Part No. 01DMMS8229 • Price: \$75.95**

## RSR

## DIGITAL MULTIMETER – AUTORANGING

#### Features:

- 3 3/4 digits LCD display
- **LED / Sound Warning when incorrect** banana jacks are used relative to function switch setting (volt, amp, resistance)
- Data hold and LCD back lit
- Manual ranging and autorange mode
- Safety as per IEC1010-1 Cat. II 600V and Cat. 1000V Cat. II

#### Technical Specifications:

- DCV: 400mV – 1000V, 5 ranges
- ACV: 400mV – 750V, 5 ranges
- Resistance: 400-40M, 6 ranges
- DC and AC Current: 400 – 10A, 5 ranges
- Capacitance: 4n – 200 , 6 ranges
- Frequency: to 200KHz
- Resettable fuse inside
- Diode and transistor test, audible continuity
- Dimension and Weight: 195 x 92 x 55mm; 400g
- Battery: 15.V AAA



**Part No. 01DMMS8268 • Price: \$33.95**



## DIGITAL MULTIMETERS

### EXTECH COMPACT MULTIMETERS

#### MODELS EX310, EX320, EX330

Built-in non-contact AC Voltage Detector (100 to 600V AC). Auto (EX320, EX330) or manual ranging (EX310).

- Count: 2,000 (EX310, EX320), 4,000 (EX330)
- DC/AC Volts: .1mV to 600V
- DC/AC Current: .1mA to 10A (EX310); .1 A to 10A (EX320, EX330)
- Resistance: 2M (EX310); 20M (EX320); 40M (EX330)
- Capacitance: .001nf to 200 F (EX330 only)
- Frequency: 10MHz (EX330 only)
- Temperature: -4 to 1,382 F (EX330 only)
- Dimensions/Wt.: 5.7" x 2.9" x 1.6" / 9 oz.



EX310 EX320, EX330

Part No.	Model	Price
01EX310	Model EX310	\$39.99
01EX320	Model EX320	49.99
01EX330	Model EX330	59.99

### EXTECH POCKET, MINI MULTIMETERS

Autorangeing (MN36, DM110) or manual (MN35). Large easy to read digital display.



MN35 MN36 DM110

- DC Volts: 600V (MN35, MN36), 500V (DM110)
- AC Volts: 600V (MN35, MN36), 500V (DM110)
- DC Current: 10A (MN35, MN36), 400mA (DM110)
- Resistance: 20M (MN35), 40M (MN35, DM110)
- Capacitance: 100 f (MN36, DM110)
- Frequency: 5MHz (MN36), 10MHz (DM110)

Part No.	Model	Price
01MN35	MN35	\$19.99
01MN36	MN36	39.99
01DM110	DM110	39.99

### EXTECH LCR METER WITH PC INTERFACE

Measures inductance, capacitance and resistance with secondary parameters (Q, D, R).

- Set Hi/Lo limits using absolute value or % limits
- Parallel or series equivalent circuit
- Max/Min/Avg recording
- Open and short zero removes unwanted stray impedances
- Built-in RS-232 with Windows® software
- Complete with test leads, alligator clips, 9V battery and holster and cable



Part No.	Description	Price
01EX380193	380193 LCR Unit	\$208.95

### EXTECH

## PROFESSIONAL MULTIMETERS

#### MODELS EX411, EX430, EX470



EX411 EX430 EX470

Affordable true RMS, with built in infra red thermometer (EX470)

- Count: 4,000 (EX430, EX470); 2,000 (EX411)
- DC/AC Volts: 1,000V (DC); 750V (AC)
- DC/AC Current: 0.1 A to 20A
- Resistance: 40M (EX430, EX470); 20M (EX411)
- Frequency: 10MHz (EX430, EX470)
- Capacitance: .01nf to 100 f
- Temperature Infrared: -58 to 518 F
- Temperature: -4 to 1382 F
- Dimensions/Wt.: 7.4" x 3.2" x 2" / 0.75 lb.

Part No.	Model	Price
01EX411	Model EX411	\$74.99
01EX430	Model EX430	94.99
01EX470	Model EX470	149.99

## FLUKE DIGITAL MULTIMETER WITH REMOTE DISPLAY

#### Model 233 with Removable Display

The Fluke 233 allows you to be in two places at once. Enables measurements in hard-to-reach areas, clean rooms and hazardous areas.



- Wireless technology
- Locate display up to 30 ft. from point of measurement
- True-RMS AC volts and current
- Built in thermometer, Capacitance, Frequency & Min/Max, in addition to all standard DMM functions
- Magnetic remote display for convenience in mounting
- Auto-off
- Low power wireless transmission does not interfere with accuracy
- Operates as a conventional meter when display is connected

Part No.	Description	Price
01DMFL233	Fluke Model 233 with remote display	\$299.00

## FLUKE 80 SERIES V TRUE RMS DIGITAL MULTIMETER

### MODELS 83-5, 87-5

- Fluke's 80 Series V DMMs provide 11 functions for electronic and industrial applications including:
  - DC/AC voltage up to 1000V
  - DC/AC current up to 10A (all fused)
  - Frequency and duty cycle up to 199.99 KHz
  - Resistance 400.00Ω – 40.00MΩ
  - Conductance 40nS
  - Continuity
  - Diode test
  - Capacitance 5.00nF – 5.00 F
- Peak min/max recording mode (250 s for **Model 87-5**, 100 s for **Model 83-5**) stores the highest, lowest and 36-hour average of all readings.
- 4<sup>1</sup>/<sub>2</sub> digit mode 20,000 count display (**Model 87-5**)
- Input alert provides an audible warning if the test leads are in current, but the function is not.
- All inputs are protected to IEC 1010-1 cat. III 1000V.
- Holder Included



All meters have been independently tested and approved for UL3111, CSA C22.2 No. 1010 and TuV to EN61010.

Part No.	Description	Price
01DMFL83-5	Meter 83V with Test Leads	\$375.95
01DMFL87-5	Meter 87V with Test Leads	375.00

## FLUKE VOLTAGE CONTINUITY AND CURRENT TESTER

### MODELS T5-600 AND T5-1000

Fluke T5 electrical testers let you check voltage, continuity and current with one compact tool. With the T5 all you have to do is select volts, ohms, or current and the tester does the rest. Tough test leads stow neatly in the back of the tester.



- OpenJaw™ current lets you check current up to 100A AC without breaking the circuit.
- Measures volts AC or volts DC
  - T5-1000 – up to 1000V
  - T5-600 – up to 600V
- Displays resistance to 1000Ω
- Continuity beeper.
- Rugged enough to withstand a 10 foot drop.
- Auto off mode to conserve the energy.
- T5-600 protected to CATIII-600V
- T5-1000 protected to CATIII-1000V

Part No.	Price
01DMFLT5-600	\$112.00
01DMFLT5-1000	145.00

## FLUKE SUREGRIP™ INDUSTRIAL TEST LEAD SET

### MODEL TL220

- AC220 SureGrip™ Alligator Clip Set
- TP220 SureGrip™ Test Probe Set
- TL222 SureGrip™ Silicone Test Lead Set (right to right)
- One year warranty



Part No. 01TLF220 • Price: \$69.95

## FLUKE MULTIMETERS

### MODELS 114, 115, 116, 117

#### GENERAL FEATURES

- Autoranging
- AC/DC voltage 1mV to 600V
- 0.7% accuracy, MIN/MAX Avg
- Resistance: 0.1 ohm to 40M
- Capacitance: 1nF to 10,000 F
- Frequency: 5Hz to 50KHz
- Protective rubber holster included
- Continuity beeper and diode testing function
- True RMS AC voltage and current (**115, 116, 117**)
- AC/DC current to 10 amps (**115, 116, 117**)
- Backlight display for low light environments (**114, 115, 116, 117**)
- Test leads and user manual included
- 3 year warranty



**Technician Combo Kit (DM116/62)** – includes DM116 meter, infrared thermometer Fluke 62, hard point test lead set, tool pak magnetic hanging strap, deluxe case w/shoulder strap, integrated temperature probe and thermocouple adapter.

**Electrician Combo Kit (DM117/323)** – Includes DM117 meter, compact clamp meter Fluke 323, magnetic hanging strap, deluxe soft case w/shoulder strap and hard point test lead set.

Part No.	Description	Price
01DMFL114	Fluke Model 114	\$139.00
01DMFL115	Fluke Model 115	159.00
01DMFL116	Fluke Model 116	169.00
01DMFL117	Fluke Model 117	189.00
01DM11662	Combo Kit (Technician)	249.00
01DMFL117323	Combo Kit (Electrician)	324.95

## FLUKE 170 SERIES

### 6,000 COUNT, 3<sup>3</sup>/<sub>4</sub> DIGIT, TRUE RMS DMM'S MODELS 175, 177, 179

- Meets IEC 1010 CAT IV 600V / CAT III 1000V safety rating
- True RMS AC voltage and current, back-lit display
- 63 segment bar graph, auto/manual ranging, auto/manual hold, min/max, avg
- Capacitance: 100mf, 10 f, 100 f, 9999 f
- AC/DC Volts: 600mV, 6V, 60V, 600V, 1000V
- AC/DC Current: 60mA, 600mA, 6A, 10A
- Frequency: 100 Hz, 1KHz, 10KHz, 100KHz
- Temperature: (**Model 179 Only**) –40 F ~ 752 F
- Rugged, over-molded, tapered case



Part No.	Description	Price
01DMFL175	.15% Accuracy	\$295.00
01DMFL177	.09% Accuracy	275.00
01DMFL179	.09% Accuracy & Temp.	295.00
01DMFL179EDA	Meter 179 with Deluxe Accessories and Case	349.00

## FLUKE MODEL 77-IV

- DC/AC Voltage: 1000V
- DC/AC Current: 10A
- Autoranging and manual ranging
- Resistance and continuity
- Frequency and capacitance
- Meets Measurement Category 1000 V CAT III and Category IV 600 V safety standards



Part No. 01DMFL77-4 • Price: \$285.00

## BENCH DIGITAL MULTIMETERS

### **BK PRECISION** TRUE RMS BENCH DIGITAL MULTIMETER

#### 4 1/2 DIGIT – MODEL 2831E

The Model 2831E provides versatility and reliability for a broad spectrum of laboratory and service applications. Being a true multimeter, it can make diode, frequency and continuity measurements in addition to basic current, voltage and resistance measurements.



- True RMS for accurate interpretation of any waveform signal
- 4 1/2 digit LED display for clear reading in darkest environment
- Great overload protection on all ranges
- Voltage measurements up to 1200VDC and 1000VAC
- Current measurements up to 20A AC/DC
- Basic accuracy for DCV is 0.03%
- USB Interface

#### DC Voltage

Max Range	1200V
Best Accuracy	+0.03%+5D
Best Resolution	100 V

#### AC Voltage

Max Range	1000V
Best Accuracy	+0.75%+10d
Best Resolution	100 V

#### DC Current

Max Range	20A
Best Accuracy	+0.75+5d
Best Resolution	100nA

#### AC Current

Max Range	20A
Best Accuracy	+0.75+5d
Best Resolution	100nA

#### Resistance

Max Range	20MΩ
Best Accuracy	+0.2%+5d
Best Resolution	0.1 ohm

#### Frequency

Max Range	200KHz
Best Accuracy	+1.0%+5d
Best Resolution	1Hz

Part No. 01DM2831 • Price: \$305.00

### **GW INSTEK** BENCH-TOP, DUAL DISPLAY DMM'S

#### WITH USB, RS-232 AND 9 PIN I/O INTERFACE

MODEL GDM-8255A 19999 COUNT

MODEL GDM-8251A 120000 COUNT



Extensive measurement functions (ACV, DCV, ACA, DCA, R, Hz, continuity beeper, diode test, REL, MIN/MAX, hold, relative value, compare, temperature and more. True RMS (AC, AC + DC).

- Selectable Measurement Rate
- Frequency Measurement
- Math, Store, Recall, dB
- Included as standard are USB, RS-232 and 9-pin digital I/O interface.
- Factory installed GPIB model versions available

Part No.	Description	Price
01GDM8251	12000 count bench DMM with USB	\$610.00
01GDM8255	19999 count bench DMM with USB	710.00
01GDM8251GPIB	12000 count with GPIB interface	745.00
01GDM8255GPIB	19999 count with GPIB interface	745.00

### **RSR** BENCH DMM – HIGH ACCURACY AUTO-CALIBRATING, RS232, GRAPHIC SOFTWARE

#### MODEL MS8050

The MS8050 is a multi-feature instrument with a dual 5 digit display and 53,000 count measurement for high accuracy and stability. Ten different measurement functions make this model a powerful, versatile performer.



With a 30 full screen memory function for saving test data, and display/draw/record software for all test processes, an extremely wide range of applications exist for the MS8050. Its exclusive dynamic scale, which can detect very small changes of parameters, along with its computer interface capabilities, make it ideal for use as a recorder. Safety protection against operator error also makes it perfect for university labs, school technology, industry and research and development.

- AC/DCV + ACV: Six ranges to 1000V
- AC/DC Current + AC Current: Six ranges to 10A
- Capacitance: Six ranges to 5000 F
- Resistance: Six ranges to 50M
- Logic Frequency: 5Hz ~ 2MHz
- Linear Frequency: 10Hz ~ 2MHz
- Duty Cycle: 5Hz ~ 500KHz
- RS-232 interface and software
- Software calibrates automatically
- Auto/Manual ranging, diode test, full screen memory function, data hold, full overload protection, min/max, relative and average measurement, DC accuracy to 0.03%, 110V or 220V power operation

Part No. 01DMMS8050 • Price: \$375.00

### BENCH DIGITAL MULTIMETER

#### TRUE RMS, USB & RS232 MODEL DM422B



- 4 digit, 40,000 count, true RMS AC
- Built-in USB & RS232 interfaces
- Data save and recall with software
- Triple display (main, sub-left, sub-right)
- 40 segment bar graph display, duty cycle
- Temperature function, 0.025% DC accuracy
- Frequency, period, capacitance, continuity
- 1,000V AC & DC. 10A AC & DC.

Part No. 01DM422B • Price: \$325.00

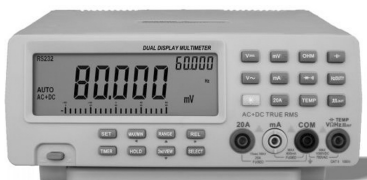


## VIZATEK BENCH DMM WITH FUNCTION GENERATOR

### Model DMVC8145

Bench Digital Multimeter with waveform generator and thermometer

- Large LCD, High contrast, Wide visual angle LCD display, white backlight
- Dual- display: Main display 80000, Secondary display 800000, analog bar 21 sect., with unit & function symbols
- 50 measurement functions Including DCV, ACV, DCA, ACA, Ohm, CAP, Hz, TEMP, Diode, Continuity and others
- Frequency range up to 80MHz
- Standard function generator: 18 waveforms, 1% to 99% Duty cycle, 1800 pcs wave output
- Resistance measurement range: 0.01 Ohm - 80 MOhm
- Capacitance measurement range: 10PF - 100uF
- Temperature measurement Range: -58°F to 2502°F, -50°C to 1372°C
- Photoelectric isolated RS-232 computer interface
- AC measurement - High accuracy RMS, Wide measurement AC+DC function.
- Auto data refresh hold



Part No.	Description	Price
01DMVC8145	Digital Multimeter with with Function Generator	\$195.00

## INSTEK

## BENCH STYLE DMM'S WITH USB

### MODELS GDM8341, GDM8342, GDM8342GP

The basic difference between Model GDM8341 & Model GDM8342 is that the 8342 provides storage for data collection on a flash drive, a temperature function and it may also be equipped with a factory installed GPIB interface. Models offer computer connectivity via USB interface. All other specs are common to all instruments

#### Features:

- 50,000 COUNT 0.02% dcV accuracy
- Dual display measurement
- Three selectable measurement speeds
- Auto/Manual ranging, true RMS
- Min/Max, Rel/Rel#, MX+B, 1/X, Ref%, compare, hold, dB, dBm
- Free software - remote control, data retrieve
- Capacitance- 7 ranges to 50uF
- Frequency- 3 ranges to 1Mhz
- 11 different measurement functions
- Data storage collection & temperature functions (Model GDM8342 & 8342GP)



Part No.	Description	Price
01GDM8341	USB bench meter	\$339.00
01GDM8342	USB bench meter	\$450.00
01GDM8342GP	Advanced bench meter with GPIB interface	\$520.00

## RSR BENCH DMM

### TRUE RMS, LCD

### MODEL DM9803R (W/RS232)



- 3<sup>3</sup>/<sub>4</sub> (3999) count) large LCD display with back light.
- Bar graph display - 42 segment
- Auto and manual range
- True RMS for AC voltage/current
- RS232C standard interface - software included.
- Data hold, min/max relative measuring, storage data display/recall, continuity and diode test
- DC Volts - 1,000 VDC 5 ranges, .3% accuracy.
- AC Volts - True RMS, 750VAC 4 ranges.
- AC (true RMS)/DC Current - 10 amp 4 ranges.
- Resistance - 40M 6 ranges.
- Capacitance - 40 F 5 ranges.
- Frequency counter up to 600KHz, accuracy 0.1%
- Sensitivity: 100mV up to 20KHz, 500mV 20-600KHz
- Adapted range: Display 10 counts per 1mV DC
- Optional Power Feature - Runs on AC or DC (either one 9V or 6 AA batteries). Batteries not included.
- Pop-up stand and carry strap.



Part No.	Description	Price
01DMM9803R	Bench DMM With RS232 Interface	\$139.95



## BENCH MULTIMETER

### MODEL SDM3055/SDM3055A

The new Siglent SD-M3055/3055A is a new 5 digit dual-display digital multimeter and features many math and statistical functions. It includes a variety of communication interfaces with easy setup, is



equipped with a 4.3-inch TFT-LCD screen, and is designed for users who needs include high performance, multiple functions, and automatic measurements, is a high performance desktop multimeter.

#### Features:

- Up to 150 rds / s measurement speed
- 1Gb NAND Flash, supports U disk expansion
- Built-in thermocouple cold-junction compensation
- Supports remote control commands provided PC software
- Extensive math functions which include measuring the signal's minimum / maximum / average / standard deviation. Also readings can be displayed in dBm, dB, Pass / Fail, relative value, histograms, trend curves, bar graphs, etc

Part No.	Description	Price
01SDM3055	5 1/2 Digit; USB/LAN	\$449.00
01SDM3055A	5 1/2 Digit; USB/LAN/GPIB	\$619.00

## BENCH DIGITAL MULTIMETERS

### GWINSTEK MILLI-OHM METERS

#### MODEL GOM-801H

Designed to measure low resistance such as contact resistance of switches, relays, plugs, connectors, or between electrolytic's lead/electrode.

- Measures from 20 milli-ohm to 20k in 7 ranges
- Test current: 10uA ~ 1A
- High resolution 10 ohm
- Buzzer indicates GO/NOGO result without having to view display
- Hi/Lo comparator indicator
- 3 digit 0.5" LED display
- Complete with power cord, test lead and manual. Approx. 4.5 lb.



Model GOM-801H



Model GOM-802

#### MODEL GOM-802

This model offers more advanced features, additional functions, options and higher accuracy

- 30000 count display. 9 Ranges 30 milli-ohm to 3M
- High accuracy 0.05%
- Hi/Lo comparator and limit percent setting
- Measurement of REL, actual and % value
- Manual or autoranging
- Continuous or triggered measurement mode
- Temperature compensation and measurement
- Four-terminal measurement technique
- Auto-recall last setting after Power OFF and ON again
- Alarm setting for Pass/Fail
- Scan, handler interface (standard)
- Factory installed RS232/GPIB interface model available for additional cost (Model 802G)
- Complete with power cord, test lead and manual. Approx. 4.5 lb.

Part No.	Description	Price
01GOM801H	Milli-Ohm Meter	\$340.00
01GOM802	Mill-Ohm Meter/Enhanced Features	510.00
01GOM802G	GPIB/RS232 Interface Model	860.00
01PT100	Opt. Temp Probe for 802 Models	120.00

### GWINSTEK ELECTRICAL SAFETY TESTERS

#### MODEL GPT-9801,

#### AC MODEL GPT-9802

#### AC+DC MODEL GPT-9803

#### AC+DC+IR MODEL GPT-9804

#### AC+DC+IR+GB



- High Efficiency and High Stability Output PW amplifier design. Output source up to 98% efficiency. Less than 1% regulation
- High Accuracy and High Resolution Testing. 2V adjustable steps. Current measurement done with 1uA resolution and +/- (1.5% + 30uA) accuracy enables small leakage measurements
- Constant protection function in operation throughout testing. Self-check when power turned on, then "detection voltage" sent during initialization period checks for shorts to prevent high voltage or current returning during test. Additional cut-off protection mechanisms
- LCD display clearly shows setting parameters, test conditions, measurement values and DUT inspection results
- Manual or auto test mode, function key for quick selecting, True RMS, 100 memory block for test condition (step) settings, USB device and RS232 interface. GPIB optional

Optional accessories available include GPIB card, High Voltage Test Pistol, High Voltage Test Probe, USB, RS232 or GPIB cable, rack adapter panel

Part No	Description	Price
01GPT9801	AC 200VA (AC)	\$1,015.20
01GPT9802	AC 200VA (AC+DC)	1,170.00
01GPT9803	AC 200VA (AC+DC+IR)	1,425.60
01GPT9804	AC 200VA (AC+DC+IR+GB)	2,138.00

### FLUKE BENCH TYPE DMM

#### MODEL 8845 – 6.5 Digit Precision

#### MODEL 8846 – 6.5 Digit Precision USB Memory

These multimeters have the precision and versatility to handle your most demanding measurements, on the bench or in a system. A multifunction DMM including measuring volts, ohm and amps, basic Vdc accuracy of up to 0.0024%, 10 amp current range and a wide ohm range from 10 ohms to 1 G ohms. The meters feature graphical display modes, including Trendplot™ paperless recorder mode, statistics and histograms.

#### SPECIFICATIONS

**VDC:** 100mV to 1000V

**VAC:**

100mV to 750V (*Model 8845*)

100mV to 1000V (*Model 8846*)

**DC Current:** 100 A to 10A

**AC Current:** 100mA to 10A

**Resistance:**

100Ω to 100MΩ (*Model 8845*)

10Ω to 1GΩ (*Model 8846*)

**Capacitance:** 1nF to 0.1F (*Model 8846*)

**Frequency:**

3Hz to 300KHz (*Model 8845*)

3HZ to 1MHz (*Model 8846*)

**Continuity / Diode Test Both Models**

**Temperature:** -200 C to +600 C (*Model 8846*)

**USB Memory / Real time Clock (*Model 8846*)**



Part No	Description	Price
01FL8845	Model 8845	\$1,045.00
01FL8846	Model 8846 w/USB Memory	1,490.00

### BK PRECISION LCR IN-CIRCUIT SYNTHESIZED METER

#### MODEL 889B



The B&K Precision Model 889 Synthesized In-Circuit LCR/ESR Meter is a high accuracy test instrument used for measuring inductors, capacitors and resistors with a basic accuracy of 0.1%. Also, with the built-in functions of DC/

AC Voltage measurements and Diode/Audible Continuity checks, the Model 889 can not only help engineers and students to understand the characteristic of electronics components but also being an essential tool on any service bench.

**Part No. 01BK889 • Price: \$1,475.00**



## BENCH DIGITAL MULTIMETERS



### BENCH DIGITAL MULTIMETER

80,000 COUNT

MODEL: DM1150B

#### Features:

- Large dual-display LCD with analog bar graph
- 50 measurement functions including cap. freq. and temp.
- Simultaneous measurement: AC+DC, AC+Hz, DC+dBm
- RS-232 interface, auto data update, data hold
- Input: 115 VAC or 23 VAC @ 48-60Hz
- Size: 10.2" x 8.7" x 3.2"; wt. 3.1 lbs.



Part No. 01DM1150 • Price: \$346.95

### INSTEK 6 1/2 DIGIT DUAL MEASUREMENT MULTIMETER

BENCH METER GDM-8261

High precision 6 digit bench DMM with dual measurement displays. 11 high accuracy measurement and 10 math functions (35ppm DC voltage accuracy). Optional scanner card carries 16 V-Channels and 2 I-Channels to facilitate measurements of multiple test points. Can be used as semi-auto ATE system or as data logger to perform long term monitoring. LabVIEW driver supported. Unlike most "dual display" meters (which show test result on primary display and range info on secondary), The GDM-8261 performs two complete measurement functions simultaneously and displays the test results on the primary display and secondary display respectively.



- 0.0035% DCV basic accuracy
- Exceptionally high resolution – up to 100pA with DCI & 1nA with ACI
- 2 /4 wire resistance measurement
- Four math operations
- Temperature – from -200°C ~ +1820°C
- Store / recall from 2 ~ 9,999 readings
- USB and RS232 interfaces standard
- Optional scanner card (field installable) and free software

Part No.	Description	Price
01GDM8261	1,200,000 Count DMM	\$339.00
01SC18261	Scanner Card	469.00
01GPIB8261	GPIB Interface	695.00
01LAN8261	LAN Interface	840.00

### RIGOL

### DIGITAL MULTIMETER

TRUE 5 1/2, 6 1/2 RESOLUTION

USB / GPIB / LXI

- True 5 digits resolution (240,000-count)
- 120 rdgs/s maximum sample rate
- Up to 0.015% accuracy of DC Voltage per year
- Command compatibility – Replace mainstream DMM randomly via the compatibility of their command
- Patented Any Sensor test capability
- 256 64 pixels LCD display, to support multidisplay and screen menu
- Interfaces: USB(Model DM3058E); USB, LXI, GPIB (DM3058, DM3068)



Part No.	Description	Price
01GDM8341	USB bench meter	\$339.00
01DM3058E	5 1/2 ; USB Only	\$469.00
01DM3058	5 1/2 ; USB, LXI, GPIB	695.00
01DM3068	6 1/2 ; USB, LXI, GPIB	840.00

### BK PRECISION

### BENCH DIGITAL MULTIMETER

5 1/2 DIGITS;  
DUAL DISPLAY

MODEL 5491B

#### SPECIFICATIONS

##### DC Voltage

Maximum Range: 1000V  
Best Accuracy:  
+0.02% + 3 dgts.  
Best Resolution: 10mVS

##### AC Voltage

(True RMS) Freq. 50Hz to 5KHz  
Maximum Range: 750V  
Best Accuracy:  
+1.5% + 80 dgts.  
Best Resolution: 10mV

##### DC Current

Maximum Range: 12A  
Best Accuracy:  
+0.2 + 3 dgts.  
Best Resolution: 1mA  
Freq. 50Hz to 2KHz  
Maximum Range: 12A

##### AC Current

(True RMS, AC Coupled)  
Best Accuracy:  
+1.5 + 30 dgts.  
Best Resolution: 1mA

##### Resistance

Maximum Range: 300MΩ  
Best Accuracy:  
+0.12 + 3 dgts.  
Best Resolution: 10mΩ

##### Frequency

Maximum Range: 120KHz  
Best Accuracy:  
+0.01 + 3 dgts.  
Best Resolution: 10mHz



Part No. 01BK5491 • Price: \$409.00

## BENCH DIGITAL MULTIMETERS



### BENCH DIGITAL MULTIMETER

#### Model Pro-1000



- Resistance – 5 ranges to 20M
- AC/DC current to 10A
- DCV 4 ranges to 1,000V. ACV 4 ranges to 750V
- .05% basic accuracy
- 110 or 220 input voltage

Part No. 01DMPRO1000 • Price: \$319.00

4 1/2 digit LED display.  
Measures diodes, frequency, current, voltage, resistance, Audible continuity test. True RMS.

- Frequency – two ranges to 200kHz

### BK PRECISION BENCH MULTIMETER

#### 5 1/2 DIGIT – MODEL 5492B; 5492B-GPIB

The B&K Precision model 5492B is a versatile 5 -digit, 120,000-count bench multimeter suitable for applications in education, service repair, and manufacturing.



The instrument enhances your productivity with built-in math functions and USB connectivity. Rel, Max/Min, dBm, dB, %, and Hold functions provide educators with a convenient tool to teach basic math concepts. Additionally, the 5492B offers powerful features not commonly found in other 5 -digit DMMs such as advanced triggering, buffer storage operation, and a GPIB interface option.

The 5492B measures volts and amps with great accuracy and stability, with basic VDC accuracy of 0.01%. The meter is also capable of measuring frequency, period, resistance, continuity, and performing diode tests. Readings can be taken at a maximum rate of 57 readings/sec and stored to an internal 512-byte buffer for post acquisition statistical analysis.

#### Features:

- 5 -digit, 120,000-count display resolution
- 0.01% basic VDC accuracy
- Advanced triggering options such as external, bus and event trigger
- Two and four-wire resistance measurement up to 120 M?
- AC voltage and AC current measurement over wide frequency range (ACV 100 kHz/ACI 10 kHz)
- AC (RMS) and DC current measurements up to 12 A
- Limit mode for Pass/Fail testing
- Save/recall up to 10 instrument settings
- Built-in math functions: Rel, Max/Min, dBm, dB, %, Hold, Compare
- CATI (1000 V)/CATII (300 V) protection
- USB (Virtual Com) and RS232 interface
- SCPI compatible
- For GPIB interface order 5492B-GPIB

Part No.	Description	Price
01BK5492B	5 1/2-Digit Bench Multimeter	\$649.00
01BK5492B-GPIB	5 1/2-Digit Bench Multimeter with GPIB	\$789.00

### GW INSTEK BENCH DMM

#### 3 1/2 DIGIT LCD DISPLAY

##### MODEL GDM-8034

- Built in cap meter
- 0.5% basic DCV accuracy
- Diode test and audible continuity check



DC Volts: To 1,000V, 5 Ranges  
AC Volts: To 750V, 5 Ranges  
AC/DC Current: To 20A, 6 Ranges  
Resistance: To 20M, 6 Ranges  
Capacitance: To 20 F, 5 Ranges

Part No. 01DM8034 • Price \$176.00

### GW INSTEK 3 1/2 DIGIT LAB DMM

#### LED DISPLAY – MODEL GDM-8135

- 7 functions
- 0.5" Red LED Display
- 1200V high voltage, 20A current range
- Circuit protection all ranges
- 0.1% DCV accuracy
- Auto zero circuit



DC Volts: 1200V, 5 Ranges  
AC Volts: 1000V, 5 Ranges  
DC Current: 20A, 6 Ranges  
AC Current: 20A, 6 Ranges  
Resistance: 20M, 6 Ranges  
Diode Test  
Audible Continuity Check

Part No. 01GDM8135 • Price: \$260.00

### INSTEK PRECISION LCR METERS

#### Models 8101G - 1MHz, 8105G - 5MHz, 8110G - 10MHz

Provide accuracy and versatility for a wide range of component measurements, including DC resistance and Voltage/Current monitoring. Multi-step function allows customized measurement with Pass/Fail indication within users' selected parameters. GPIB and RS-232 are installed as standard features. Measurement Parameters: impedance, phase angle, inductance, capacitance, AC resistance, quality factor, dissipation factor, admittance, conductance, reactance, susceptance, DC resistance. GRAPH MODE is now a standard feature included with these models.



- Test Frequencies 20Hz ~ 1MHz, 20Hz ~ 5MHz, 20Hz ~ 10MHz
- 6 Digit measurement resolution
- DC resistance measurement
- Monitoring of DUT voltage and current
- 0.1% basic measurement accuracy
- Comprehensive measurement functions
- GPIB and RS-232 interface
- Large LCD display, intuitive user interface, multi step mode, Pass/Fail comparator
- GRAPH MODE – Shows the component characteristics in graph charts. Voltage and frequency sweep are selectable for the horizontal scale. Graph automatically adjusts to scale when out of vertical range.
- Marker operation for detailed observation

Part No.	Description	Price
01LCR8101	1MHz LCR Meter	\$6,088.00
01LCR8105	5MHz LCR Meter	7,177.00
01LCR8110	10MHz LCR Meter	8,743.00